

ATTORNEY DOCKET NO. 11159ROUS01U (NORT10-00137)
U.S. SERIAL NO. 09/414,590
PATENT

AMENDMENTS TO THE CLAIMS:

1. - 66. (Canceled).

67. (Previously Presented) A method for web-based control of a legacy telephone system, comprising:

enabling a legacy call server to communicate with a web application by providing a call server wrapper program having a first web application program interface (API) and a call server system interface, the call server wrapper program operable for:

receiving at the first web API, via an internet protocol (IP) network, a command from the web application in a web application data format,

translating the command from the web application data format into a call server system data format, and

sending the command in the call server system data format to the call server;

and

enabling a legacy telephony device to communicate with the web application by providing a telephony device wrapper program having a second web application program interface (API) and a telephony device interface, the telephony device wrapper program operable for:

receiving at the second web API, via the internet protocol (IP) network, data from the web application in a web application data format,

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translating the data from the web application data format into a telephony device data format, and
and sending the data in the telephony device data format to the telephony device.

68. (Previously Presented) The method of claim 67, wherein enabling the legacy call server to communicate with the web application comprises:

providing a communication channel between the legacy call server and the web application.

69. (Previously Presented) The method of claim 68, wherein providing a communication channel comprises:

using a user proxy server to control access to the legacy call server.

70. (Previously Presented) The method of claim 67, wherein the command comprises a one of a call control command and a service control command.

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71. (Previously Presented) The method of claim 67, wherein enabling a legacy telephony device to communicate with the web application comprises:

providing a communication channel between the legacy telephony device and the web application.

72. (Previously Presented) The method of claim 67, comprising:

using a telephony device abstraction.

73. (Previously Presented) The method of claim 72, wherein using a telephony device abstraction comprises:

using an abstraction for a class of telephony devices.

74. (Previously Presented) The method of claim 67, further comprising:

providing a service plugin operable for communicating between the second web API of the telephony device wrapper program and the web application.

75. (Previously Presented) The method of claim 67, wherein the web application is an interface to a telephony device.

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76. (Previously Presented) An apparatus for web-based control of a legacy telephone system, comprising:

means for enabling a legacy call server to communicate with a web application by providing a call server wrapper program having a first web application program interface (API) and a call server system interface, the call server wrapper program operable for:

receiving at the first web API, via an internet protocol (IP) network, a command from the web application in a web application data format,

translating the command from the web application data format into a call server system data format, and

sending the command in the call server system data format to the call server;

and

means for enabling a legacy telephony device to communicate with the web application by providing a telephony device wrapper program having a second web application program interface (API) and a telephony device interface, the telephony device wrapper program operable for:

receiving at the second web API, via the internet protocol (IP) network, data from the web application in a web application data format,

translating the data from the web application data format into a telephony device data format, and

and sending the data in the telephony device data format to the telephony device.

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77. (Previously Presented) The apparatus of claim 76, wherein the means for enabling the legacy call server to communicate with the web application comprises:

means for providing a communication channel between the legacy call server and the web application.

78. (Previously Presented) The apparatus of claim 77, wherein the means for providing a communication channel comprises:

means for using a user proxy server to control access to the legacy call server.

79. (Previously Presented) The apparatus of claim 76, wherein the command comprises a one of a call control command and a service control command.

80. (Previously Presented) The apparatus of claim 76, wherein the means for enabling a legacy telephony device to communicate with the web application comprises:

means for providing a communication channel between the legacy telephony device and the web application.

81. (Previously Presented) The apparatus of claim 76, comprising:

means for using a telephony device abstraction.

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82. (Previously Presented) The apparatus of claim 81, wherein the means for using a telephony device abstraction comprises:

means for using an abstraction for a class of telephony devices.

83. (Previously Presented) The apparatus of claim 76, further comprising:

means for providing a service plugin operable for communicating between the second web API of the telephony device wrapper program and the web application.

84. (Previously Presented) The apparatus of claim 76, wherein the web application is an interface to a telephony device.

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85. (Previously Presented) A computer program product comprising:

a computer usable medium having computer readable code embodied therein for web-based control of a legacy telephone system, the computer readable code operable for:

enabling a legacy call server to communicate with a web application by providing a call server wrapper program having a first web application program interface (API) and a call server system interface, the call server wrapper program operable for:

receiving at the first web API, via an internet protocol (IP) network, a command from the web application in a web application data format,

translating the command from the web application data format into a call server system data format, and

sending the command in the call server system data format to the call server;

and

enabling a legacy telephony device to communicate with the web application by providing a telephony device wrapper program having a second web application program interface (API) and a telephony device interface, the telephony device wrapper program operable for:

receiving at the second web API, via the internet protocol (IP) network, data from the web application in a web application data format,

translating the data from the web application data format into a telephony device data format, and

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and sending the data in the telephony device data format to the telephony device.

86. (Previously Presented) A system for enabling a web application to control a legacy telephone system comprising:

a web application for independently controlling a legacy call server coupled to the telephone system and a legacy telephony device;

a call server wrapper having a first web application program interface (API) and a call server system interface for enabling the web application to communicate with the legacy call server, the first web API operable for receiving web application data in a first format over an internet protocol (IP) network from the web application and translating the received web application data into a second format, the call server system interface operable for transmitting the translated web application data in the second format over the IP network to the legacy call server; and

a telephony device wrapper having a second web application program interface (API) and a telephony device interface for enabling the web application to communicate with the legacy telephony device, the second web API operable for receiving web application data in a first format over the IP network from the web application and translating the received web application data into a second format, the telephony device interface operable for transmitting the translated web application data in the second format over the IP network to the legacy telephony device.

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87. - 89. (Canceled).

90. (Previously Presented) A system for enabling a web application to control a legacy telephone system comprising:

a web application for independently controlling a legacy call server and a legacy telephony device;

a call server wrapper for enabling the web application to communicate with the legacy call server, the call server wrapper having a first interface operable for receiving web application data in a first format over an internet protocol (IP) network from the web application and translating the received web application data into a second format, the call server wrapper having a second interface operable for transmitting the translated web application data in the second format over the IP network to the legacy call server; and

a telephony device wrapper for enabling the web application to communicate with the legacy telephony device, the telephony device wrapper having a first interface operable for receiving web application data in a first format over the IP network from the web application and translating the received web application data into a second format, the telephony device wrapper having a second interface operable for transmitting the translated web application data in the second format over the IP network to the legacy telephony device.